

## PATENT APPLICATION

Sheet 1 of 4

|   |                                       |                 |                  |
|---|---------------------------------------|-----------------|------------------|
| <b>FORM PTO-1449</b><br><br><b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b><br><br>(Use several sheets if necessary) | ATTY. DOCKET NO.<br><b>10981988-3</b> | APPLICATION NO. | CONFIRMATION NO. |
|   | APPLICANT<br><b>Ramaswami et al</b>   |                 |                  |
|   | FILING DATE<br><b>Aug 19, 2003</b>    | GROUP           |                  |

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |    | DOCUMENT NUMBER | PUBLICATION DATE | NAME         | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
|------------------|----|-----------------|------------------|--------------|---|
| Bm               | 1A | 5,589,865       | Dec 31, 1996     | Beeson       |   |
| Bm               | 1B | 5,442,384       | Aug 15 1995      | Schantz      |   |
| Bm               | 1C | 5,160,945       | Nov 3, 1992      | Drake        |   |
| Bm               | 1D | 5,098,503       | Mar 24, 1992     | Drake        |   |
| Bm               | 1E | 5,016,023       | May 14, 1991     | Chan         |   |
| Bm               | 1F | 4,862,197       | Aug 29, 1989     | Stoffel      |   |
| Bm               | 1G | 4,680,859       | Jul 21, 1987     | Johnson      |   |
| Bm               | 1H | 4,491,606       | 01-1985          | Rosier et al |   |
| Bm               | 1I | 5,478,606       | 12-1995          | Ohkuma et al |   |
| Bm               | 1J | 5,980,017       | 11-1999          | Sato         |   |
| Bm               | 1K | 6,036,874       | 03-2000          | Farnaam      |   |

## FOREIGN PATENT DOCUMENTS

|    |    | DOCUMENT NUMBER | PUBLICATION DATE | NAME OF PATENTEE OR APPLICANT | Pages/Columns/Lines Where Relevant Passages/Figures Appear | Check if Translation attached |
|----|----|-----------------|------------------|-------------------------------|--|-------------------------------|
| Bm | 1L | 0 564 102 A2    | Oct 6, 1993      | Allen                         |  |                               |
| Bm | 1M | EP0783970A2     | Jul 16, 1997     | Sato                          |  |                               |
|    | 1N |                 |                  |                               |  |                               |
|    | 1O |                 |                  |                               |  |                               |
|    | 1P |                 |                  |                               |  |                               |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|  |    |   |
|--|----|---|
|  | 1Q | Kovacs, Micromachined Transducers Sourcebook, 1998, McGraw-Hill, pgs. 77-88 |
|  | 1R |   |
|  | 1S |   |

EXAMINER

*Blair mmt*

DATE CONSIDERED

*2/24/2004*

**PATENT APPLICATION**

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|   |                                       |                 |                  |
|---|---------------------------------------|-----------------|------------------|
| <b>FORM PTO-1449</b><br><br><b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b><br><br>(Use several sheets if necessary) | ATTY. DOCKET NO.<br><b>10981988-3</b> | APPLICATION NO. | CONFIRMATION NO. |
|   | APPLICANT<br><b>Ramaswami et al</b>   |                 |                  |
|   | FILING DATE<br><b>Aug 19, 2003</b>    | GROUP           |                  |

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**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | PUBLICATION DATE | NAME            | Pages, Columns, Lines Where Relevant Passages or Figures Appear |
|------------------|----|-----------------|------------------|-----------------|---|
| Bm               | 2A | 6,162,589       | 12-2000          | Chen et al      |   |
| Bm               | 2B | 3,852,563       | 12/3/1974        | Bohorguez et al |   |
| Bm               | 2C | 4,438,191       | 3/20/1984        | Cloutier        |   |
| Bm               | 2D | 4,809,428       | 3/7/1989         | Aden            |   |
| Bm               | 2E | 4,847,630       | 7/11/1989        | Bhaskar         |   |
| Bm               | 2F | 4,851,371       | 7/25/1989        | Fisher          |   |
| Bm               | 2G | 4,875,968       | 10/24/1989       | O'Neill         |   |
| Bm               | 2H | 4,894,664       | 1/16/1990        | Tsung Pan       |   |
| Bm               | 2I | 5,041,190       | 8/20/1991        | Drake           |   |
| Bm               | 2J | 5,160,577       | 11/3/1992        | Deshpande       |   |
| Bm               | 2K | 5,194,877       | 3/16/1993        | Lam             |   |

**FOREIGN PATENT DOCUMENTS**

|    |    | DOCUMENT NUMBER | PUBLICATION DATE | NAME OF PATENTEE OR APPLICANT | Pages/Columns/Lines Where Relevant Passages/Figures Appear | Check if Translation attached |
|----|----|-----------------|------------------|-------------------------------|--|-------------------------------|
| Bm | 2L | JP0040052144    | 2/1992           | Seiko Epson Corp              |  |                               |
| Bm | 2M | JP5995156A      | 10/1984          | Hewlett-Packard Co.           |  |                               |
| Bm | 2N | JP0610098557    | 5/1986           | Ricoh CO                      |  |                               |
| Bm | 2O | JP62094347A     | April 1987       | Ricoh Seiko KK                |  |                               |
| Bm | 2P | E0783970A2      | July 1997        | Canon Kabushiki               |  |                               |

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

|    |  |
|----|--|
| 2Q |  |
| 2R |  |
| 2S |  |

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| EXAMINER<br><i>Rla mmt</i> | DATE CONSIDERED<br><i>2/24/2004</i> |
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## PATENT APPLICATION

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FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10981988-3

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Ramaswami et al

FILING DATE

Aug 19, 2003

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | PUBLICATION<br>DATE | NAME           | Pages, Columns, Lines Where<br>Relevant Passages or Figures Appear |
|---------------------|----|--------------------|---------------------|----------------|--|
| Bm                  | 3A | 5,308,442          | 5/3/1994            | Taub           |  |
| Bm                  | 3B | 5,306,307          | 4/26/1994           | Herko          |  |
| Bm                  | 3C | 5,317,346          | 5/31/1994           | Garcia         |  |
| Bm                  | 3D | 5,851,412          | 12/22/1998          | Kubby          |  |
| Bm                  | 3E | 6,153,114          | 11/28/2000          | Figueroa       |  |
| Bm                  | 3F | 6,137,443          | 10/24/2000          | Beatty         |  |
| Bm                  | 3G | 6,204,182          | 3/20/2001           | Truninger      |  |
| Bm                  | 3H | 6,365,058          | 4/2/2002            | Beatty         |  |
| Bm                  | 3I | 6,099,106          | 8/8/2000            | Werner         |  |
| Bm                  | 3J | 6,325,488          | Dec 4, 2001         | Beerling et al |  |
| Bm                  | 3K | 6,303,274          | Oct 16, 2001        | Chen et al     |  |

## FOREIGN PATENT DOCUMENTS

|    |    | DOCUMENT<br>NUMBER | PUBLICATION<br>DATE | NAME OF PATENTEE<br>OR APPLICANT | Pages/Columns/Lines Where<br>Relevant Passages/Figures Appear | Check if<br>Translation<br>attached |
|----|----|--------------------|---------------------|----------------------------------|---|-------------------------------------|
| Bm | 3L | DE19536429A1       | April 1997          | Siemens AG                       |   |                                     |
| Bm | 3M | EP0244214A1        | 4/1987              | Hewlett-Packard CO.              |   |                                     |
|    | 3N |                    |                     |                                  |   |                                     |
|    | 3O |                    |                     |                                  |   |                                     |
|    | 3P |                    |                     |                                  |   |                                     |

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
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|  | 3Q |  |
|  | 3R |  |
|  | 3S |  |

EXAMINER

Blair M. M. A.

DATE CONSIDERED

2/27/2004

**PATENT APPLICATION**

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|  |   |                        |                         |
|--|---|------------------------|-------------------------|
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| <p>APPLICANT<br/><b>Ramaswami et al</b></p>  |   |                        |                         |
| <p>FILING DATE<br/><b>Aug 19, 2003</b></p>   |   | <p>GROUP</p>           |                         |

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|------------------|-----------------|------------------|--------------|---|
| Bm               | 4A              | 6,000,787        | Dec 14, 1999 | Weber et al   |
| Bm               | 4B              | 20030082841      | May 1, 2003  | Haluzak et al   |
| Bm               | 4C              | 4,558,333        | Dec 1985     | Sugitani et al  |
| Bm               | 4D              | 5,738,799        | Apr 1998     | Hawkins et al   |
| Bm               | 4E              | 6,162,589        | Dec 2000     | Chen et al  |
| Bm               | 4F              | 6,482,574-B1     | Nov 2002     | Ramaswami et al   |
| Bm               | 4G              | 6,485,132-B1     | Nov 2002     | Hiroki et al  |
|                  | 4H              |                  |              |   |
|                  | 4I              |                  |              |   |
|                  | 4J              |                  |              |   |
|                  | 4K              |                  |              |   |

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|-----------------|------------------|-------------------------------|--|-------------------------------|
| 4L              |                  |                               |  |                               |
| 4M              |                  |                               |  |                               |
| 4N              |                  |                               |  |                               |
| 4O              |                  |                               |  |                               |
| 4P              |                  |                               |  |                               |

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| 4Q |  |
| 4R |  |
| 4S |  |

|                                    |   |
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| <p>EXAMINER<br/><i>Bla MHA</i></p> | <p>DATE CONSIDERED<br/><i>2/24/2004</i></p> |
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